

Michigan Department of Environmental quality

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RECREATIONAL
RESOURCES
DEQ

Environmental Health Section Recreational Resources Program

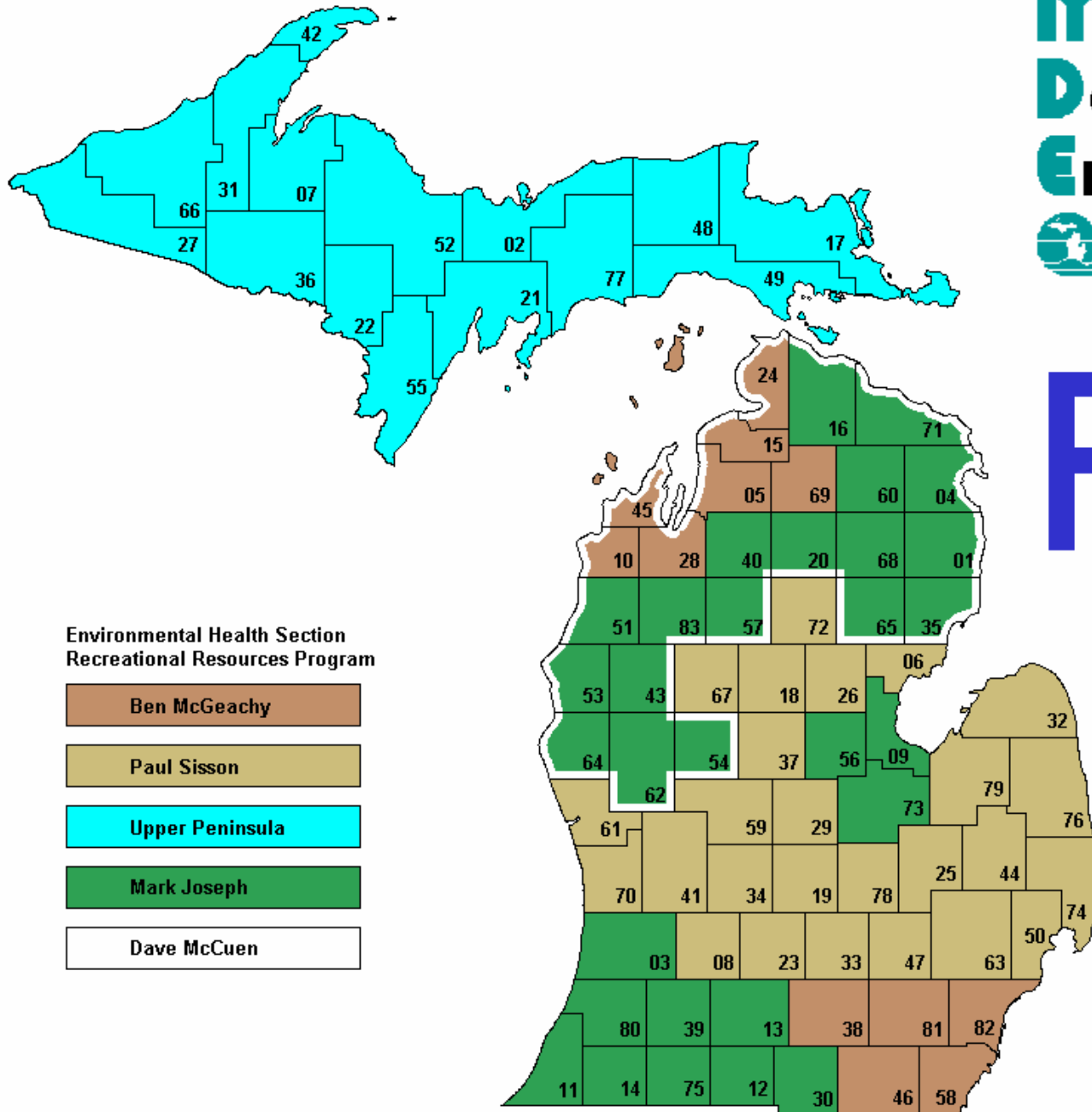
Ben McGeachy

Paul Sisson

Upper Peninsula

Mark Joseph

Dave McCuen





MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER AND RADIOLOGICAL PROTECTION DIVISION

ENVIRONMENTAL HEALTH SECTION RECREATIONAL RESOURCES PROGRAM

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Click on “permits” link

Click on “campground” link





MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER AND RADIOLOGICAL PROTECTION DIVISION

**ENVIRONMENTAL HEALTH SECTION
RECREATIONAL RESOURCES PROGRAM**

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The rules for campgrounds in Michigan require that “Measures shall be taken to reduce populations of mosquitoes and other insects of public health importance in a campground.”



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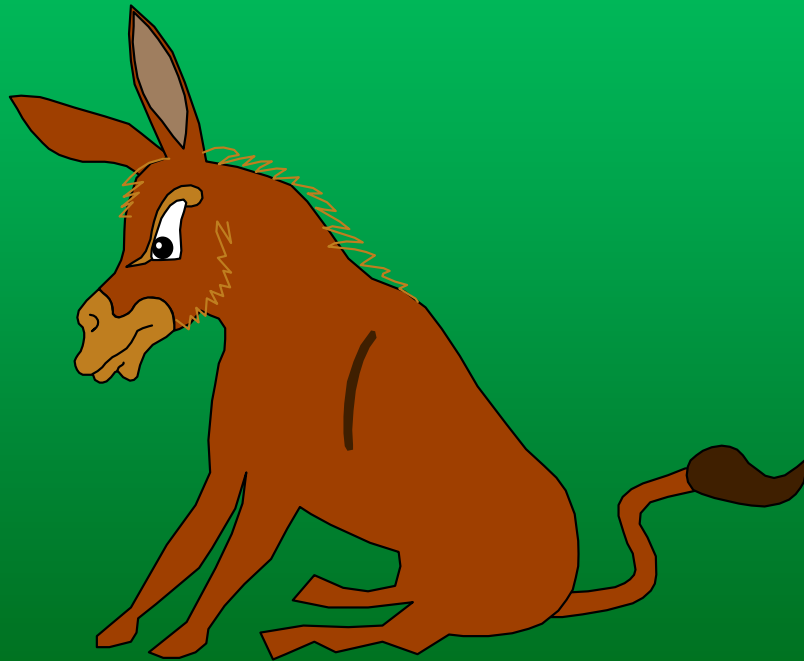
CAMP GROUNDS

**Public Act and Rules Governing
Campgrounds**



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Education is the Key

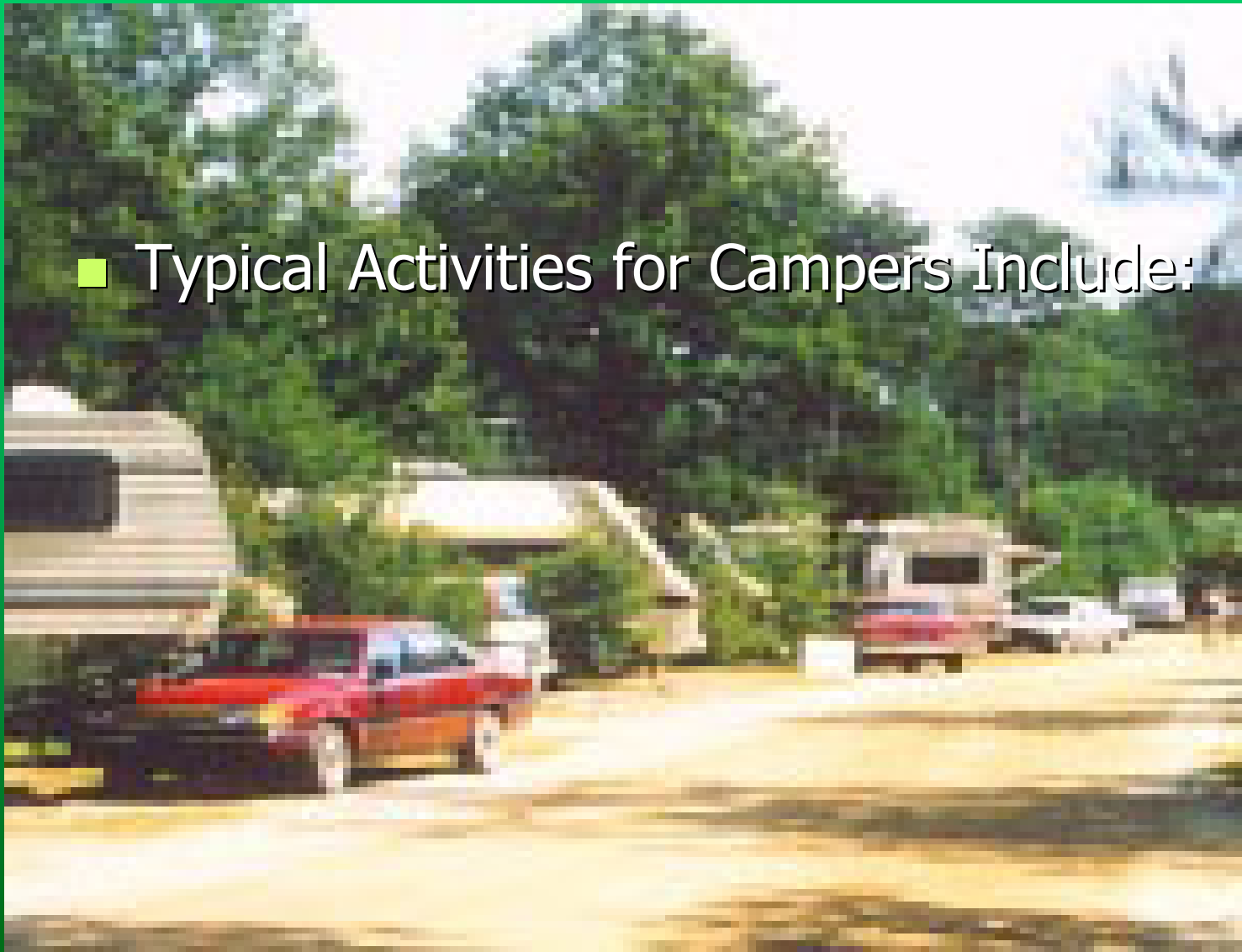


- Need to increase knowledge of campground owners in prevention and control measures
- Need to make campers aware of prevention and protective measures

Campers spend significant amount of time outdoors with the mosquitoes



- Typical Activities for Campers Include:



Hiking



Fishing



Hunting



Bird watching



Swimming



■ Campfires



An Ounce of Prevention...

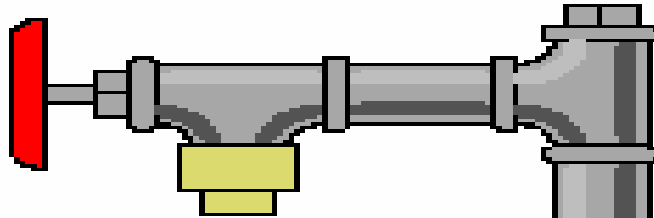
- Eliminate mosquito breeding areas commonly found in campgrounds
- Provide campers with information on personal protective measures such as the one from CDC
- Treatment – Commercial Mosquito Control Firms or become certified or registered by Dept. of Agriculture to apply pesticides



- Landscaping common in today's campgrounds
- Minimize watering of lawns and plants
- Avoid creating depressions when landscaping to eliminate pockets of standing water

- 
- Decks are a common feature on seasonal sites
 - The area below the deck is typically used for storage of items that may provide mosquito breeding locations

Water Connections



- Most campground sites now have a site water connection
- Essential to provide good drainage at water outlet, and fix leaking faucets

Sewage and wastewater control

- Illegal to discharge greywater to ground surface. Have campers use the sanitary station for disposal of greywater and sewage holding tanks.

Rule 27

Campground Maintenance

- The service building, grounds, and facilities shall be maintained in a clean and sanitary condition and kept in good order.

Finished!!



10/3/2000